

รายงาน ประจำปี

ของ

โรงพยาบาลแม็คคอร์มิค

เชียงใหม่

REPORT

OF

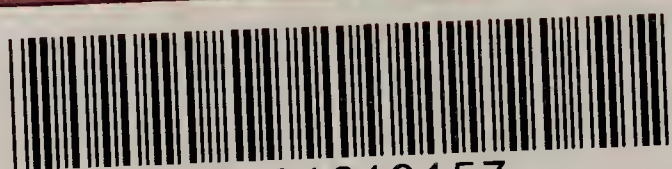
McCORMICK HOSPITAL

For The Year 1927-28

American Presbyterian Mission

CHIENGMAI, SIAM.

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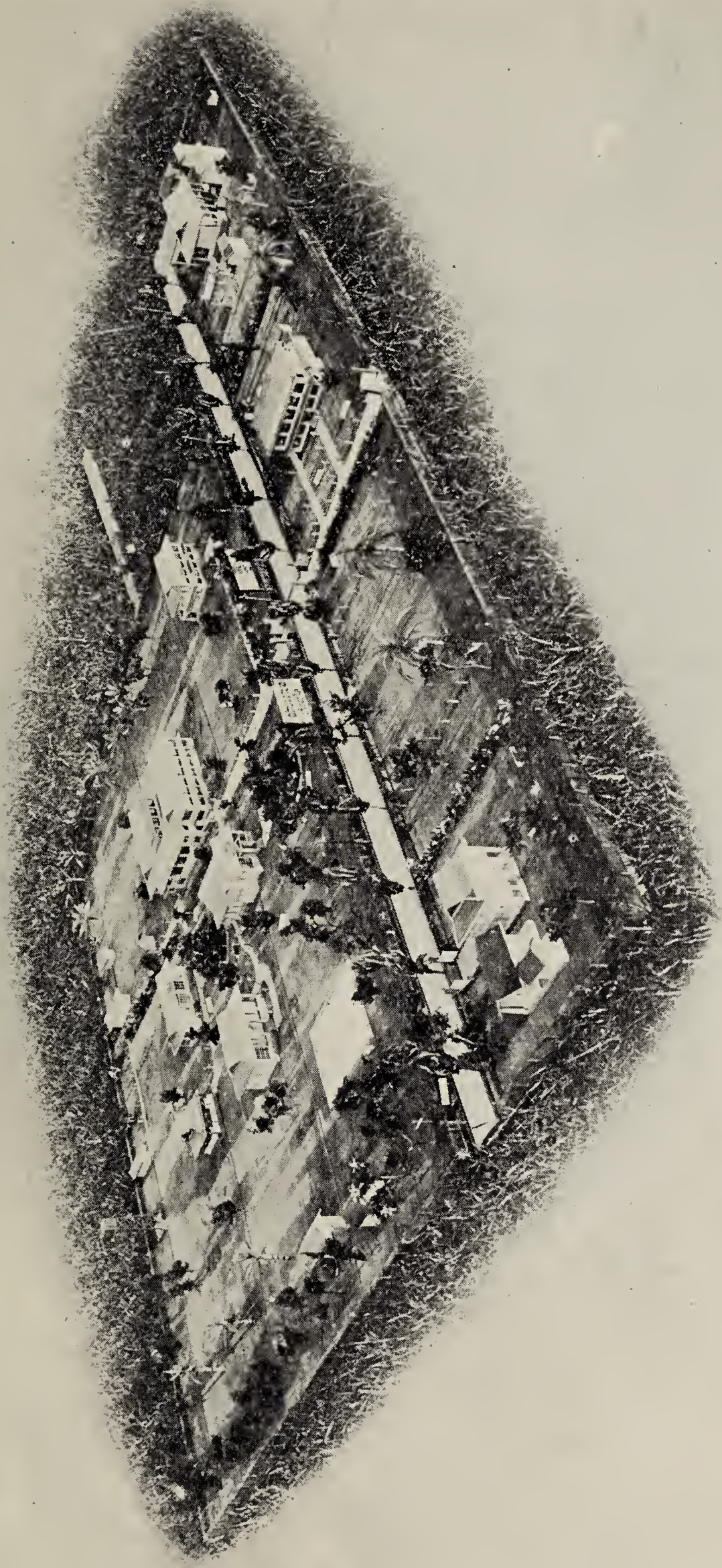
OF

McCORMICK HOSPITAL

For The Year 1927-28

American Presbyterian Mission

CHIENGMAI, SIAM



MODEL OF THE HOSPITAL PLANT.

This was prepared for the celebration of the hundredth anniversary of the founding of Protestant missionary work in Siam, held in Bangkok in December, 1928. The hospital is seen from the north-east. On this side of the road, in the foreground, is the nurses' home; beyond it is the residence of the superintendent, then the resthouse for the families of patients, with a residence for an assistant on each side. Beyond the road, and in the row facing it, are the new maternity ward, the operating pavilion, and the two story private patients' pavilion. Behind these are the small, square priests' ward, the kitchen, and the large, two storied general ward building (in the shape of a "U") On the extreme left is a workshop, and at the back are the watertank and pumphouse, and the laundry. A small mortuary is hidden by a tree.



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THE STAFF

General

James W. McKean, A. M., M. D., in charge of dispensaries	consultant
Edwin C. Cort, M. A., M. D., F. A. C. S. (on leave until September 14)	superintendent
Henry R. O'Brien, M. A., M. D., Mrs. Edwin C. Cort, B. A., (on leave until September 14)	acting superintendent dietician
N. S. Civili Sinhanetra, N. A. C.	acting dietician
Moung Moung	assistant
Nai Chinda Sinhanetra	"
Nai Chan Dang Metah	"

Nursing

Miss Agnes L. Barland, M. A., R. N. (on extended leave)	superintendent of nurses ; directress of training school
Miss Sadie P. Lemmon, B. S., R. N.	acting superintendent and directress
N. S. Civili Sinhanetra, N. A. C.	supervisor
Nang Boon Pan Sinhanetra, R. C. N.	graduate nurse
Twelve student nurses	

Evangelistic

Elder Tha Duang Suwan	evangelist
Nan Prome Pomanate	evangelist

Business

J. Hugh McKean, B. A., (on leave until July)	business manager
James W. McKean, M. A., M. D.	acting business manager
R. Baer	accountant
Nai Muang Chai Chaininpan	head pharmacist (dispensaries)
Nai Noi Akesuwan	hospital clerk

Additional working force of the hospital September 30, 1928

pharmacist	ward maids	2	mechanical staff	2
clinic clerk	orderlies	4	laundresses	6
messenger	cooks	6	goat herders	5
carboy	coolies	8	chicken keeper	1

(a total of 60 in addition to the missionary force)

GENERAL

For McCormick Hospital the year ending September 30, 1928, was one of carrying on, rather than of sensational advance. Work went forward with the smallest missionary personnel for some time: viz., one doctor, a nurse, and a business manager who was drafted from an already full schedule elsewhere. In spite of that the volume of work held up fairly well; the admissions, 706, were fewer than those of the two preceding years, but higher than any others in the history of the hospital. As is usually the case, the shortage of foreign workers called out the latent powers of the Siamese staff. They had been well trained, and now developed well.

Toward the close of the year, the others of the missionary staff returned from on furlough, the business manager in June, the superintendent and dietician in September. The coming year should be one of the best in the history of the hospital. Unfortunately, the continued illness of Miss Barland's father still holds her in America.

With three graduate and twelve pupil nurses the care of the sick on the wards continued to show an improvement that was pleasant to watch. The spirit of cooperation and helpfulness on the part of the nursing staff was fine. Technically, new chart forms—for ward diet lists, for bedside nursing notes, and for medical orders—were devised and printed.

The students of Prince Royal's College received physical examination, were cleared of intestinal parasites, and received some other follow up treatment.

The Chiangmai Medical Society met monthly at the hospital or at the home of the superintendent, who was its president. Sometimes clinics were held, sometimes medical talks given. The clinic on beri-beri, held during the epidemic late in 1927, was especially valuable from its free discussion of the subject by all the physicians present.

As he returned from furlough Doctor Cort was notified of his election as a Fellow of the American College of Surgeons. During his stay at home he prepared and published the following medical articles:

Amebiasis of the Liver, Journal of the American Medical Association,
June 23, 1928

Infection with Balantidium Coli, J. A. M. A.

Epidemiology of Blackwater Fever in Siam, American Journal of Tropical
Medicine

Treatment of Blackwater Fever, American Journal of Tropical Medicine

EVANGELISTIC

During the dry season the two hospital evangelists took turns in visiting outvillages from which had come patients who had shown interest in the message of Christ while in the hospital. Five persons joined three of the local churches as a result of our efforts. This was in addition to the baptism of one of the orphans adopted from our wards. A Sunday afternoon service was started for those of the patients who could walk. It was held on one of the porches. For the relatives of patients, who stay at the resthouse, an evening service was held there each Thursday and Sunday evening. The nurses held an early morning chapel daily.

XMAS

Christmas was a particularly happy time. Funds were raised through gaily decorated boxes, put out some weeks beforehand; and a staff committee planned the program. There were games and contests on the big lawn on Saturday afternoon, with every patient who could possibly be moved sitting or lying along the verandah on the north side of the hospital. Pine trees were brought down from the mountain and decorated for the wards. Coloured paper chains, made by convalescent patients, were hung along the ceilings. At dawn on Christmas morning the nurses sang carols in procession through the wards. There were Xmas bags and presents for all the patients. Toys sent by friends in America in the boxes of hospital supplies were a help and a joy.

The Patient with Little or No Money

This is a "self supporting" mission hospital. That means that aside from the salaries of the American staff and some supplies sent by guild societies, the running expenses of the hospital are met by its receipts in Siam, from the fees of patients and the sale of drugs. There is no subsidy, whether from America or Siam, and no endowment.

At the same time that the hospital charges fees appropriate to the means of the patient, its constant effort is to see that no one who needs medical care fails to get it because of lack of money on his part. This past year 120 sick people were treated without any charge at all, for a total of 3,155 days in the hospital. Still others could pay for only a part of the treatment they needed, the hospital assuming the rest. The money they paid is credited at a minimum rate of Tcs. 1.50 (or 67 cents) per day, for operations, food, injections, other medicines, etc. The remaining days of treatment they received were given them free of charge. In this way 169 additional patients received 2,714 days of treatment.

Thus a total of 289 out of 747 patients treated during the year received entire or partial free treatment. *Out of 14,668 days of treatment given by the hospital 5,869, or 40 per cent, were not paid for at all by the patient.*

Nevertheless, by careful watching of corners the year was closed out of debt.

THE NURSING TRAINING SCHOOL

Directress : Miss Agnes Barland, M. A., R. N. (Johns Hopkins Hospital)
Acting Directress : Miss Sadie P. Lemmon, B. S., R. N., (West Penn Hospital)
Supervisor : N. S. Civili Sinhanetra, N. A. C. (P. U. M. C., Peking)

The past year has been an encouraging one in the Nursing Training School. Four new girls were admitted to the School, all of whom were graduated from the sixth matayome. At the close of the year a class of three are about to graduate, two of whom are to be retained in the hospital as graduate nurses. This will bring the number of our nursing staff to nine students, four graduates, and one foreign nurse. The third member of the graduating class is considering further work in the Philippines.

The nurses have taken a real interest in their work, both on the ward and in the class room. Due to lack of proper supervision we have not yet been able to put student nurses on general night duty. However, they are called upon to assist with any emergency work which must be done at night. During the day they are responsible for practically the entire nursing care of the patients.

During the past year a new feature has been added to the course: the introduction of six weeks work at the Public Health Center. We are grateful to the Red Cross Society for making this affiliation possible. It enables the nurses to acquaint themselves with this very important branch of nursing and we hope may lead some of them to take further training for this work upon completion of the course at McCormick.

One eighth matayome girl has already applied for admission with the next class and others are considering doing so. This fact that some of the best educated girls of Siam are interested in nursing is very encouraging and looks well for the future of the nursing profession in this country.

We are grateful for the following gifts during the year:

Mr. A. W. Cooper	Tcs. 40.00
Mt. Pleasant-Donnegal Sunday School			
District (U. S. A.)	„ 101.50

Faculty

During the year	At the beginning of the new year
Miss Sadie Lemmon	Miss Sadie Lemmon
Mrs. J. W. McKean	Mrs. E. C. Cort
N. S. Civili Sinhanetra	N. S. Civili Sinhanetra
Dr. H. R. O'Brien	Dr. E. C. Cort
Moung Moung	Dr. H. R. O'Brien
	Moung Moung

Head Nurses

N. S. Civili Sinhanetra	Supervisor
Nang Boon Pun Sinhanetra	Head Nurse, Women's Ward

Student Body

Graduating Class

Chao Vongse Chantra Na Chiengmai (Chiengmai), Dara Wittaya Academy, Chiengmai
N. S. Pranie Suwadhi (Bangkok), Benjama Rajudis School, Bangkok
Nai Chandee Srituma (Chiengmai), Prince Royal's College, Chiengmai

Third Year

N. S. Tongmuan Sukacharatt (Bangkok), Wattana Wittaya Academy, Bangkok
N. S. Omyai (Bangkok), Wattana Wittaya Academy, Bangkok

Second Year

N. S. Boa Khieo Nantah (Nan), Dara Wittaya Academy, Chiengmai
N. S. Cham Chan Indravudh (Chiengmai), D. W. A., Chiengmai
N. S. Sree Pun Chaininpan (Chiengmai), D. W. A., „

First Year

N. S. Samran Indravudh (Chiengmai), Dara Wittaya Academy, Chiengmai
N. S. Vaaw Tavaraputta (Bangkok), „ „ „ „
N. S. Edna Susaka (Chiengmai), „ „ „ „
N. S. Boon Choo Sree Kong (Pitsanuloke) „ „ „ „

THE PLANT

A birdseye view of the hospital buildings is given at the first of the report.

The construction of the new maternity ward, the gift of Luang Anusarn Soontorn, a leading merchant of the city, proceeded during the year. With the arrival of some equipment from America it will be opened shortly. It is a beautiful one story building, and conveniently arranged. The walls of the McClanahan Health Center in the city are rising rapidly as the year ends.

While on furlough, Doctor and Mrs. Cort were especially active and successful in securing funds for the hospital. A new steam laundry, funds for X-ray, an auxiliary electric light plant, and equipment for the nurses' classes in chemistry, were included among the gifts.

Besides the usual amount of repairs considerable repainting has been done. Two old sheds were torn down, and the material used in the construction of a frame mortuary.

To the State Highway Department we owe the sodding and parking of such of the road in front of the hospital as lay under their charge. This was done on their own initiative, and adds materially to the appearance of the trees Doctor McKean planted a decade ago. The Department and the Municipality erected "Hospital-Quiet Zone" signs at our boundaries, at our request, which helped in diminishing the amount of honking from the motor busses. The Lord-Lieutenant stationed a policeman to reinforce these signs.

An appropriation, a most welcome one, was received from the Board for a new residence for missionary nurses. Funds for a new home for pupil nurses is our most urgent need.

STATISTICS

(Covering the period from October 1, 1927 through September 30, 1928)

Hospital

Results :—

In the hospital at the beginning of the year	41
Admitted during the year	706
Discharged	698
Cured	439
Improved	174
Not improved	29
Not treated	2
Died	54
(Of these 15 died within 24 hours, leaving a corrected death rate of 39/683, or 5.7%)	
Still in the hospital	49
Total in-patients treated during the year	747
Total number of hospital days	14,668
Hospital beds	86
Average stay in the hospital of the 698* patients discharged during the year	21.1 days
Largest number of in-patients at one time	61

Clinic Section

Patients treated	1,353
Visits	1,074
Total number of treatments	2,427
Minor operations	27
Surgical dressings	329
Injections	211
Persons given antirabic treatment	15

Outside Practice

Number of outside calls	384
Country calls	32
Outside deliveries	18

Distribution by Race of Patients Admitted During the Year

Siamese	565	Chinese	44
European and American	13	Burmese	4
Indian	23	Kamoo	37
Shan	7	Karen	2
Haw	9	Japanese	1
Annamese	1		
Total	706		

*Including one person who stayed over two years.



THE HOSPITAL NURSING STAFF, AUGUST, 1928.

A. MEDICAL SERVICE

	Cured	Im- proved	Not Imp.	Not Treated	Died
Specification Infectious Diseases					
(a) Bacterial					
Chancroid	1				
Gonorrheal					
Arthritis	1	2			
Epididymitis		1			
Condylomata	1				
Ophthalmia		1			
Pelvic inflammatory disease	9	3			
Urethritis		2			
Tuberculosis					
Meningitis					1
Miliary, with peritonitis					1
Pulmonary		4	1		2
Typhoid and paratyphoid (including 1 with hemorrhage)	11				
(b) Protozoan infections					
Amebic hepatitis	1				
Dysentery					
Amebic	11	5			
Malaria					2
Cerebral	1				
General, acute	29	2			
Chronic	2	2			
Tertian	1				
With splenomegaly	10				
Syphilis					
Arthritis	1				
Congenital		2			
Gumma of brain		1			
Bone		1			
Secondary	1	2			
Tertiary, general		1			
Yaws	3				
(c) Metazoan infection					
Ascariasis, uncinariasis, and mixed	8				
(d) Other infectious diseases					
Measles with					
Abrasions of scratching	1				
Intestinal complications	2				
Pulmonary	4	1			
Mycotic ulcer of abdominal wall		1			
Pyorrhea		1			
Trachoma		10	1		

	Cured	Im- proved	Not Imp.	Not Treated	Died
Diseases of the Digestive System					
Cheilitis and glossitis		1			
Colitis, simple		2			
Spastic	1				
Cirrhosis of liver					
Atrophic		1			
Hypertrophic		1			
Dysentery, chronic	2				
Enterocolitis of infants	1				
Gastritis, chronic	2	1			
Hepatitis, not amebic		1			
Indigestion, acute	5				
Diseases of the Respiratory System					
Asthma		1			
Bronchitis, acute	3				
Bronchospirochetosis	1	3			
Bronchopneumonia					
Two years of age and under		1			1
Over two years of age	5				5
Empyema					1
Frontal sinusitis	1				
Laryngitis, chronic		1			
Lobar pneumonia	1	1			
Pleurisy with effusion	1	1			
Tonsillitis, acute follicular	4				
Traumatic ulceration of septum with hemorrhage	1				
Diseases of the Blood and Circulatory System					
Cardiac asthma	1				
Heart, functional		1			
Heart, valvular	1	2			
Myocarditis with decompensation		1			
Deficiency Diseases					
Beriberi	4	12			4
Rickets			1		
Xerophthalmia		1			
Diseases of the Endocrine Glands					
Endocrine deficiency		1			
Diseases of the Nervous System					
Hemiplegia		1	2		
Hysteria	1		1		

	Cured	Im- proved	Not Imp.	Not Treated	Died
Memingitis					
Acute (not classified)					1
Cerebro-spinal (pneumo-bacillus)					1
Peripheral neuritis	1				1
Miscellaneous					
Arthritis, chronic		3			
Cystitis	3	6			
Endometritis	1	1			
Eye					
Acute conjunctivitis	1				
Acute edema of conjunctiva		1			
Infants					
Asphyxia neonatorum					1
New born	11				
Nursing	4	2			1
Marasmus	2				1
Premature	2	2			2
Stillbirth					1
Muscular rheumatism	1				
Nephritis					
Acute	1	2	1		
Chronic		2			
Observation	1				
Poisoning					
Chenopodium		1			
Food	1				
Methyl alcohol	1				
Sinovitis of hand, acute	1				
Skin					
Eczema	1	1			
Dermatitis exfoliativa		1			
Scabies	5	1			

B. SURGICAL SERVICE

Operations

	Anaesthetic		
	General	Local	None
Eye.			
Excision, cataract, with iridectomy			2
Incision and curettage, chalazion			1
,, ,, drainage, chalazion	1		1
Iridectomy, for iridocyclitis			1

	Anaesthetic		
	General	Local	None
Ear, Nose, and Throat			
Excision by snaring, nasal polyps		5	
Hemangioma of palate		1	
Excision, fibroma of ear		1	
Extraction of foreign body from nose	3		
From ear			1
Incision and drainage, abscess of external ear	1		
Paratonsillar abscess		1	
Sebaceous cyst of ear			1
Plastic on ear, repair of ear ring opening		1	
Snaring, hypertrophied inferior turbinate		1	
Tonsillectomy, hypertrophic tonsillitis	5		
Tonsillo-adenoidectomy	2		
Head and Neck			
Curettage, osteomyelitis of jaw	2		
Debridement, laceration of forehead	1		
Eyebrow	1		
Scalp and face			1
Excision carbuncle of chin	1		
Scalp	1		
Lipoma of neck	1		
Papilloma of cheek		1	
Sebaceous cyst of cheek		1	
Scalp		1	
Plastic on lip, for harelip	2		
Removal of sequestra, osteomyelitis of jaw	1		
Incision and drainage, abscess of cheek	1		2
Chin	1		
Cervical glands	1		
Jaw	1		
Mastoid	1		
Occiput		1	
Scalp		1 (with 2	
Adenoma of neck		1 rectal)	
Cellulitis of lip	1		
Chest			
Aspiration, abscess of lung		1	
Incision and drainage, abscess of breast	1	1	
Chest wall	1	1	
Incision, perichondritis of rib	1		
Pinch graft, burn ulcer of chest wall		1	
Stripping of nerve, intercostal neuroma		1	
Thoracocentesis, aspiration of empyema		12	
Pleural effusion		2	
Thoracotomy, chronic empyema		4	
Pleural effusion		1	

	Anaesthetic		
	General	Local	None
Abdomen			
Appendectomy, acute appendicitis	1		
Chronic appendicitis	7		
Cholecystotomy, obstruction of common duct			
by chronic pancreatitis	1		
Closure, fecal fistula	1		
Colostomy, Mikulicz, 1st stage, carcinoma			
sigmoid	1		
2nd stage			1
Hernioplasty, inguinal hernia	3		
Strangulated inguinal hernia	3		
Ileoplasty, penetrating wound of abdomen	1		
Gastroplasty, penetrating wound of stomach	1		
Laparotomy (other), exploratory, carcinoma			
of rectum	1		
Carcinoma of liver	1		
Splenectomy, splenomegaly	1		
Paracentesis, ascites		53	
Back and Buttock			
Excision, carbuncle of back	1		
Lipoma of back		2	
Pinch graft, granulating wound of back		1	
Secondary closure, granulating wound of back		1	
Spinal puncture		11	8
Rectum and Anus			
Curettage, perineal abscess		1a	
Dilatation, stricture of anus		1a	
Excision, perineal granuloma		1	
Prolapse of rectum		1a	
Injection, internal hemorrhoids		1a	
Hemorrhoidectomy, external hemorrhoids		2a	
Plastic on imperforate anus			1
Reduction, prolapse of rectum	1		
Upper Extremity			
Amputation, epithelioma of thumb		1	
Aspiration, serohematoma of hand	1		
Curettage, osteomyelitis of finger		1	
Debridement, laceration of finger			1
Examination, old fracture of elbow	1		
Incision and drainage, abscess of arm	1		
Axilla	1	1	1
Finger	4		
Forearm			1
Paronychia of thumb		1	

	Anaesthetic		
	General	Local	None
Open reduction, old compound fracture of wrist	1		
Primary closure, laceration of arm	1		
Pinch graft, granulating wound of hand		1	
Reduction, anterior dislocation of shoulder	2		
Stretching, contracting scar of finger	1		
Lower Extremity			
Amputation, big toe, laceration with gangrene	1		
Curettage, chronic femoral adenitis	1		
Osteomyelitis of ankle	3		
a. Caudal anaesthesia			
Debridement, laceration of toe	3		
Excision, aberrant toe nail with callus		1	
Carbuncle of leg	1		
Partial amputation, osteomyelitis of foot	1		
Incision and drainage, abscess of ankle			1
Foot	1		
Gluteal region	1		
Leg			1
Thigh	1	1	
Carbuncle of scalp			1
Cellulitis of leg	1		
Suppurative femoral adenitis	2	2	
Inguinal	2	3	
Manual flexion, ankylosed knee joint	1		
Pinch graft, granulating wounds		5	
Secondary closure, granulating wounds	1	1	
Laceration of toe	1		
Gynecological			
Amputation of cervix, secondary prolapse		1c	
Chronic endocervicitis, D. and C.		1a	
Biopsy, dilatation and curettage, endocervicitis		1	
Dilatation and curettage, (other)	2		
Hysterectomy, supravaginal, fibroid uterus	1		
Packing vagina, hemorrhage of abortion			1
Pelvic examination, pregnant uterus	2		
Perineoplasty	1	1a	
Genito-Urinary			
Amputation of penis, with excision of femoral glands	1		
Simple amputation	2		
Aspiration, hydrocele following hernioplasty		3	
Drainage of bladder, acute retention		1	
Blood transfusion, before nephrotomy (citrate method)			1
Chemical cauterization, phagadena		2	2
Circumcision	4	10	

	Anaesthetic		
	General	Local	None
Curettage, sinus tracts	1		1
Cystoscopy, chronic cystitis			1
Dilatation of urethra, for gonorrheal stricture	2	6	10
Small vesical calculus			1
Dorsal slit		7	
Drainage of bladder by filiform, acute retention			1
Excision of scar, cystotomy wound	1		
Extraction, urethral calculus			1
Incision and drainage, abscess of foreskin		1	
Testicle		1	
Lithopaxy, vesical calculus	8		
Meatotomy and extraction, urethral calculus		1	
Nephrotomy	3		
Orchidectomy		1	
Prostatectomy, suprapubic		2b	
Sounding under anaesthesia	1		
Suprapubic cystotomy, gonorrheal stricture	1		
Acute prostatitis		1	
Hypertrophic		2	
Vesical calculus	38	8 (& 1 a)	
Urethroplasty, fistula		1	
Urethrotomy, external, for urethral calculus	3	2	

Surgical Cases Not Operated

	Cured	Im- proved	Not Imp.	Not Treated	Died
Abdominal tumor in infant				1	
Acute appendicitis	1				
Carcinoma of liver			2		
Thyroid (refused operation)				1	
Cataract, bilateral			1		
Erysipelas of leg	1				
Scalp	1				
Contusion of chest wall	1				
Elephant bite of finger	1				
Fractured skull	2				1
Furunculosis	1				
Hematoma of vulva	1				
Infected wound of scalp	1				
Inguinal adenitis	2	1			
Intestinal perforation by ascaris with acute suppurative peritonitis after measles					1

a. Caudal anaesthesia

b. Parasacral and caudal

c. Paralumbar, parasacral and caudal

	Cured	Im- proved	Not Imp-	Not Treated	Died
Laceration of scalp	1				
Phagadena				1	
Phagadenic ulceration of perineum					
vesical and rectal fistulae, pelvic peritonitis					1
Otitis media, chronic suppurative	1	3	1		
Pelvic abscess (refused operation)		1			
Pyelitis	1				
Pyelonephritis		1			1
Nephrolithiasis		4			
Recto-vaginal fistula					1
Tubercular abscess of hip		2			
Adenitis, cervical			1		
Inguinal, with sinus		1			
Ulcerative femoral adenitis	1				
Ulcer of foot	2				
Frenum, herpetic		1			
Leg	2	2			
Thorn in foot	1				
Vesical calculus (passed)	1				

C. OBSTETRICAL SERVICE

	Anaesthesia	
	General	None
Within The Hospital		
Craniotomy and delivery, dead fetus	4	
Forceps delivery	3	
Laparotomy and hysterectomy, ruptured uterus	2	
Normal delivery	9	2
Podallic version and extraction, placenta previa	1	
Shoulder presentation	1	
Premature delivery, dead fetus	1	
Not delivered : postpartum retention of urine	2, cured	
Threatened abortion	2,,	
Total	27	
Obstetrical Calls Outside The Hospital		
Amputation of neck and extraction, shoulder presentation	3	
Born on arrival		4
Craniotomy and manual extraction	1	
Examination, abortion		1
Normal delivery	3	
Packing of cervix, abortion		1
Podallic version and extraction, shoulder presentation	1	
Postpartum care		1
Retained placenta, in abortion	2	
At delivery	1	
Total	18	
Total obstetrical patients	45	

D. DENTAL SERVICE

	Anaesthesia		
	General	Local	None
Extraction	6	11	11
Incision, unerupted wisdom tooth		1	1
Incision and drainage, alveolar abscess	1	4	2
Total operative procedures with			
General anaesthesia	199		
Caudal	8		
Caudal and parasacral	1		
Local	193		
Paralumbur, parasacral, and caudal	1		
Rectal	1		
Without anaesthetic	65		
	<hr/>		
Total	468		

Operative Deaths

	Patients
Acute peritonitis, following hysterectomy for ruptured uterus	1
Broncho-pneumonia, after operation for strangulated inguinal hernia	1
Shock, on the operative table, laparotomy for ruptured tubal pregnancy	1
Postoperative, exploratory laparotomy, carcinoma of liver	1
Partial amputation of rectum for prolapse	1
Splenectomy	1
Thoracotomy for empyema	1
Toxemia	
After repair of imperforate anus	1
Appendiceal abscess	1
Chronic empyema	1
Exploratory leparotomy, carcinoma of spleen	1
Intestinal stasis, laceration of abdominal wall with perforation of small intestine	1
Paralytic ileus, after hysterectomy for ruptured uterus	1
After exploratory laparotomy for carcinoma of rectum	1

	Patients
Pelvic abscess, following Miculicz operation for carcinoma of rectum	1
After suprapubic cystotomy for vesical calculus	1
Renal calculus with pyelonephritis	1
Uremia, after nephrotomy for renal calculus	1
Total	18

LABORATORY REPORT

Urine examinations

Routine	2,312	
Renal function (phenolsulphonephthalein)	48	
Quantitative determination of albumen	28	
Total		2,388

Stool examinations

1,314

Blood examinations

White cell counts	55	
Red cell counts	4	
Differential leucocyte counts (examination for malaria included)	34	
For malaria (alone)	54	
Veterinary for surra and anthrax	16	
Total		163

Smears of pus and secretions

Abscesses	74	
Urethral smears	41	
Vaginal smears	49	
Miscellaneous	16	
Total		180

Skin Scrapings

For leprosy	10	
Trichophytosis	17	
Total		27

Sputum

113

Ascitic fluid

45

Spinal fluid

19

Thoracic fluid

6

Total 4,255

Autopsies 15 or 27.8 per cent of the 54 deaths.

FINANCIAL STATEMENT

For the year ending September 30, 1928

RECEIPTS :

October 1, 1927	
Cash on hand	Tcs. 1,159.59
Cash with the	
mission treasurer	„ 1,354.92
June 21, 1928 Mission	
treasurer June Report	„ 1,791.16
Septemer 30, 1928	
Receipts for year :—	
Hospital	„ 21,866.41
Calls	„ 2,953.30
Clinic	„ 1,155.93

Tcs. 30,281.31

EXPENDITURES :

Through the mission	
treasurer	Tcs. 3,146.08
Wages hospital and	
office staff	„ 7,441.65
Wages coolies,	
laundry, etc.	„ 4,835.53
Food	„ 8,096.85
Soap for laundry	„ 318.84
Hospital lighting	„ 255.35
Waterworks	„ 562.37
Travel	„ 626.72
Postage, telephones, etc.	„ 297.34
Medicines	„ 1,654.77
Sundries	„ 1,998.60
Cash balance on hand	
October 1, 1928	„ 1,047.21

Tcs. 30,281.31

Balance down Tcs. 1,047.21

*Total expenditure „ 22,234.10

*Medicines furnished to Hospital by Dispensary not charged

GIFTS TO McCORMICK HOSPITAL

H. R. H. Prince Songkla	The continuation of the support	
of Dr. H. R. O'Brien		
H. H. Prince Dossirivongse		Tcs. 100.00
Phra Vimadathoe Krom Phra Suddhasininath		Tcs. 212.00
Luang Anusarn Soontorn	The new maternity ward,	
approximately		Tcs. 16,000.00
A gift, through Dr. G. W. Theobald		Tcs. 30.00
Guilds of the Washington, Pa., Presbytery		
Surgical and general hospital supplies		
The Sunday School of the First Presbyterian Church,		
Norristown, Pa.		45.05

Gifts toward an X-ray machine, etc.

Mrs. Smythe	\$500.00
Miss Scarborough	500.00
Mrs. C. A. Perry	1,000.00
Mrs. Griffith	100.00
Mrs. C. F. Bretzwar	100.00
Mr. H. C. Coleman	1,000.00
The Tabernacle Presbyterian Church, Indianapolis	1,036.00
Prof. Francis B. Sayre and friends	500.00
Mrs. George H. McKee, for laundry machinery	2,669.00
Siam Maternity Fund	935.00
The Sage Legacy, through the Board of Foreign Missions, for a residence for missionary nurses	6,500.00
